

MORE TRIG PRACTICE

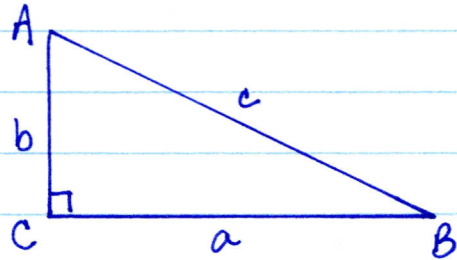
1. USE THE VALUES GIVEN TO FIND THE UNKNOWN SIDE INDICATED:

(a) $\angle A = 55^\circ$, $c = 25\text{m}$, $a = ?$

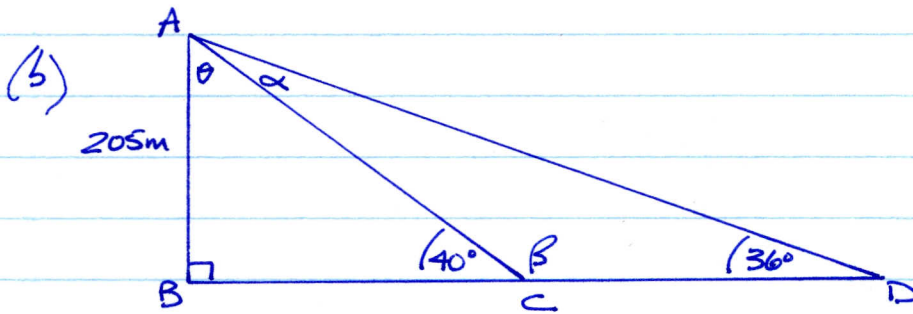
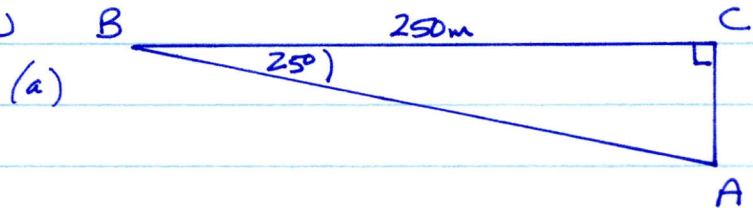
(b) $\angle A = 65^\circ$, $c = 32\text{m}$, $b = ?$

(c) $\angle B = 15^\circ$, $c = 42\text{m}$, $b = ?$

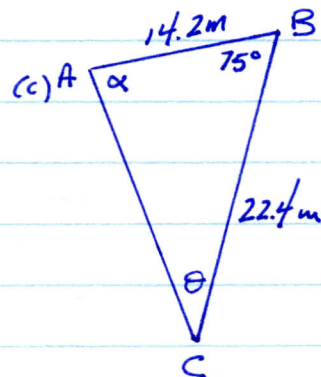
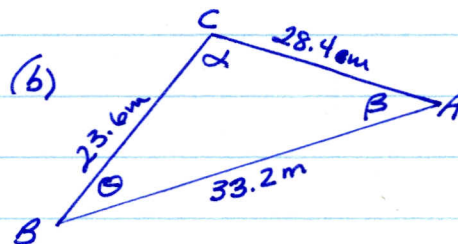
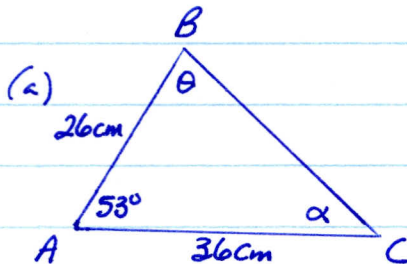
(d) $\angle B = 35^\circ$, $b = 15\text{m}$, $a = ?$



2. SOLVE FOR ALL UNKNOWN LENGTHS AND ANGLES.



#3 FIND ALL UNKNOWN QUANTITIES.



#1 (a) 20.5m (b) 13.5m (c) 10.9m (d) ?

#2 (a) 116.6m, 275.8m, 65°

(b) $50^\circ = \theta$, $\alpha = 4^\circ$, $\beta = 140^\circ$ $BC = 244.3\text{m}$ $AB = 318.9\text{m}$ $CD = \frac{37.8}{138.1}\text{m}$ $AD = ?$

#3 (a) $BC = \sqrt{845.4}\text{m}$ $\theta = ?$ $\alpha = ?$

(b) $\theta = 57.0^\circ$

(c)